



NVMe SSD AI Mobile DVR

MD600



ADAS & DMS FOTA FOTA Update BLE/Wi-Fi Self-Check Blind Spot Detection

RS232/RS485/CAN Interface GPS & MDVR Dual System Max. 6CH 1080P Video Recording

Main Features



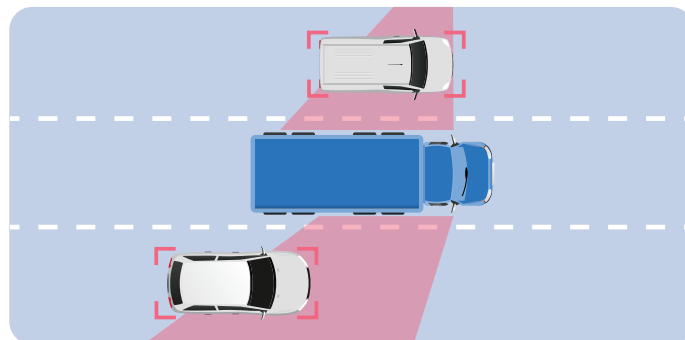
Real-time Video Monitoring



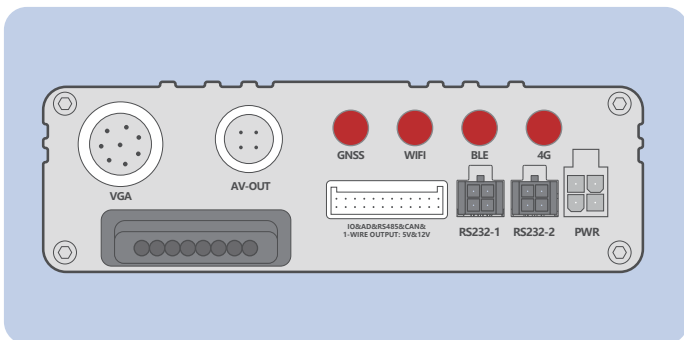
Advanced Driver-Assistance System



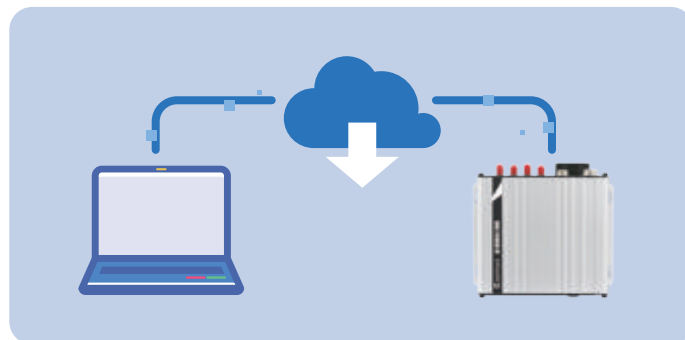
Driver Monitoring System



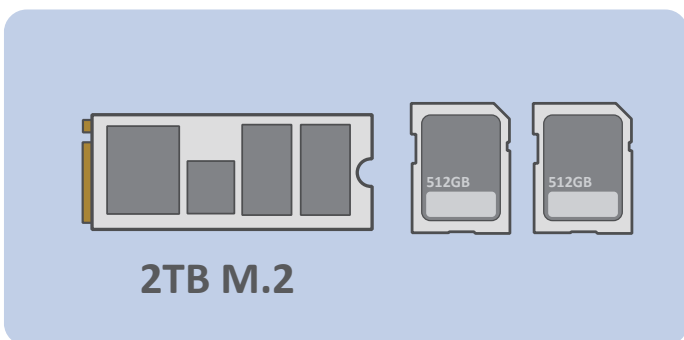
Blind Spot Detection



RS232/RS485/CAN interface



FOTA Update



2TB M.2

2TB M.2 SSD & 2*512GB SD



Parameter Configuration via the APP

Main Device



MD600 MDVR



Power & ACC cable



I/O cable



USB configuration cable



GPS Antenna



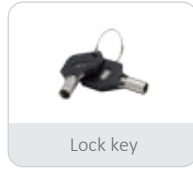
WiFi antenna



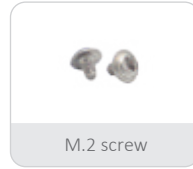
4G antenna



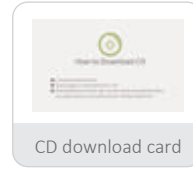
Bluetooth antenna



Lock key



M.2 screw



CD download card

Optional Accessories



• ADAS Camera



• DMS Camera



• AHD720P/1080P small metal conch camera



• Waterproof square camera 720/1080P



• Waterproof square camera 1080P



• Side mounted waterproof camera 720/1080P



• Hoist waterproof camera 1080P



• 3/5/8/10/15M extension cord



• Intercom handle



• 7-inch VGA display



• 7-inch CVBS display



• Bluetooth temperature and humidity sensor



• Bluetooth beacon



• Bluetooth beacon



• Fuel sensor (voltage AD)



• Capacitive oil sensor (voltage AD)



• 12V/24V relays



• iButton card reader



• Ultrasonic Fuel Sensor (Range 100cm)



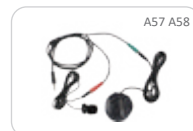
• Ultrasonic Fuel Sensor (Range 250cm)



• Ultrasonic Fuel Sensor (Range 400cm)



• Ultrasonic WIFI serial port debugging tool



• Microphone + speaker + connector cable



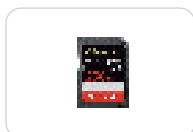
• RFID reader +ID card



• High temperature batteries



• Digital temperature sensor



• Memory card



• M.2 hard drive

Specifications



| | | |
|---------------------|----------------------------|--|
| Power supply | Rated voltage | DC: 11.4V ~ 36V, Rated 12V/3A |
| | Power consumption | Startup power consumption for the host with audio and video: about 6W Daytime: about 24W with 6-way cameras, and about 29W with a display added; Nighttime: about 32W with 6-way cameras, and about 37W with a display added; When connected to a single camera, the normal range is 50mA~100mA during the day, and 200mA~250mA at night. |
| AI | AI Video | ADAS, DMS |
| Storage media | SD Cards & SSD | 1*M2 SSD and 2*SD cards; capacity: 2TB + 2*512GB; supports PCIe*2 and PCIe*4 NVME Protocol M.2 NGFF SSD (2280 specifications) |
| System structure | System operation | Dual-system operation, dual-channel communication (to prevent data loss) |
| Audio and video | Video input | 6 channels for AHD cameras with D1/720P/1080P cameras arbitrary mixing; Adaptive camera resolution and format (PAL and NTSC); Up to 6*1080P@15fps live recording |
| | Video output | 1 channel for VGA video output (8-Pin aviation plug), max. 1080P, adapt to the display resolution 1 channel for CVBS aviation plug (level: 1.0Vp-p, impedance: 75Ω); Resolution: PAL 704*576, NTSC 704*480 |
| | Compression standard | H.264/H.265 configurable |
| | Image display | Support 1 or 6 images display |
| | Audio input | 6 channels for camera MIC input. The camera should support audio. 1 channel for intercom handle input; 1 channel for 3.5mm headset input (GSM communication interface) |
| | Audio output | 1 channel for independent audio output (paralelly connected to the AV-OUT interface, VGA aviation plug interface and intercom handle interface) 1 channel for 3.5mm headset output (GSM communication interface) |
| | Audio compression | G.726/G.711a/AAC |
| | Video request and playback | Retrievable playback by channel, video type, bitstream type and time |
| | Recording method | Normal recording and alarm recording; audio and video recorded simultaneously |
| | WiFi/BLE/GNSS | WiFi |
| Bluetooth | | Supports master-slave dual mode, can read the bluetooth accessories, and can configure parameters through the APP |
| Positioning mode | | GPS/GPS_BEIDOU/GPS_GLONASS |
| Positional accuracy | | 2.5 m |
| Sensitivity | | -162 dBm |
| GNSS antenna | | Supports antenna insertion/extraction/short circuit detection |
| Protocol | Protocol supported | JT/T 1078-2016, JT/T808-2019 Meitrack protocol (CCE) and RTMP (an Audio/Video Transport Protocol, also compatible with the Meitrack Audio/Video Private Transport Protocol) |
| Other | SPI memory | Built-in 64Mbit for storing GPRS/SMS/GPS LOG data |
| | Working temperature | -20°C to 70°C (without battery) |
| | Sensors | 6-axis acceleration sensor |
| | I/O Port | Main cable interfaces: 8*Din (Max 8*Din) + 2*Dout(Max 8*Dout) + 2*AD(Max 6*AD) + 1*Speed_IN + 1*1-wire + 2*RS485 + 1*CAN + 1*DC_5V + 1*DC_12V Other interfaces: 2-channel for RS232, 1-channel for ACC |
| | RS232 (optional) | Thai DLT certification |
| | Dimensions | 120*154*63mm |
| | Weight | 740g (excluding accessories) |
| Frequency band | MD600 | GSM: B3/B8 WCDMA: B1/B8 LTE-FDD: B1/B3/B7/B8/B20/B28 LTE-TDD: B38/B40 |
| | MD600-E | GSM: B3/B8 WCDMA: B1/B5/B8 LTE-FDD: B1/B3/B5/B7/B8/B20/B28 LTE-TDD: B38/B40/B41 |
| | MD600-A | WCDMA: B2/B4/B5 LTE-FDD: B2/4/5/12/13/14/66/71 |
| | MD600-AU | GSM: B2/B3/B5/B8 WCDMA: B1/B2/B4/B5/B8 LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B28/B66 LTE-TDD: B40 |
| | MD600-J | WCDMA: B1/B6/B8/B19 LTE-FDD: B1/B3/B8/B18/B19/B26 LTE-TDD: B41 |
| | MD600-G | GSM: B2/B3/B5/B8 WCDMA: B1/B2/B4/B5/B6/B8/B19 LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28 LTE-TDD: B38/B39/B40/B41 |



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